

ABSTRACT:

The invention relates to a wireless network comprising a radio network controller (1) and a plurality of assigned terminals (2 to 9) for exchanging useful data and control data, which terminals respectively have a buffer for buffering data packets to be transmitted to the radio network controller (1) via a contention channel, and a measuring device for measuring the occupancy level of at least one buffer. A terminal (2 to 9) is provided for transmitting a signaling sequence at a start time respectively predefined by the radio network controller (1) when an occupancy threshold of a buffer or various buffers is exceeded. The radio network controller (1) includes a device for correlating a signaling sequence sent by a terminal (2 to 9) and for detecting the pulse developed from a received and correlated signaling sequence. After a signaling sequence assigned to a terminal (2 to 9) has been detected, the radio network controller (1) sends an indication to the terminal (2 to 9) that the data packets are further transmitted over a channel assigned only to the terminal (2 to 9).

Fig. 1